



# CU400L COPPER, BRASS & BRONZE CLEANER

## Description

Stone CU400L is an economic and efficient acidic cleaner designed primarily for copper, brass, bronze and other non-ferrous metals. CU400L cleans the metal surface of oils, grease and other soils common to the industry while also preventing tarnishing on yellow metals. Additionally, CU400L removes lead from the surface of copper and brass in compliance with NFS61 (down to 1 part per billion lead).

## Product Advantages

Stone CU400L is a specialty metal cleaner designed to remove the most stubborn surface contaminants. Stone CU400L offers the following performance advantages:

- Removes oils, grease and other soils
- Removes lead from the metal surface
- Meets NSF61 requirements
- Brightens copper and brass
- Prevents tarnish
- Operates at low temperatures
- Long lasting/Ease of use

## Initial Tank Makeup

CONCENTRATION ..... 5 to 25% by volume

TEMPERATURE ..... ambient to 165° F  
(optimum: 100-165° F)

pH RANGE\* ..... 1-2 in concentration

WATER..... Tap or DI

TIME ..... 1 to 10 minutes (contingent  
upon soil & temperature)

FILTRATION ..... Suggested (15-40 microns)  
(2 turnovers per hour)

AGITATION ..... Recommended -mild

\* *Note: If pH meter does not have ATC, be sure to calibrate & test pH at the same temperature.*

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## Maintenance

Recharge to required level per titration procedure.

## Titration Procedure

## REQUIRED EQUIPMENT:

- 250 mL Erlenmeyer flask
- 10 mL pipette

## REQUIRED REAGENTS:

- Phenolphthalein indicator solution
- 0.10 Sodium Hydroxide
- DI water

## Procedure

1. Obtain a 10 mL sample and add to a 250 mL Erlenmeyer flask.
2. Add 50 mL distilled water.
3. Add 4-6 drops phenolphthalein indicator solution.
4. Titrate with 0.10 normal sodium hydroxide to pink endpoint.
5. Record number of mLs sodium hydroxide used as A.

$$A \times 1.2 = \% \text{ volume of CU400L in bath}$$

## Packaging

Stone CU400L is offered in 55-gallon non-returnable poly drums.

**FOB** - Addison, Illinois, USA

## Warranty & Disclaimer

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